

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Klein *et al.*

Group Art Unit: Unassigned

Serial No.: Unassigned

Examiner: Unassigned

Filed: Herewith

Attorney Docket: MES-01-CON

For: METHODS OF CREATING CONSTRUCTS USEFUL FOR INTRODUCING
SEQUENCES INTO EMBRYONIC STEM CELLS

**STATEMENT TO SUPPORT FILING AND SUBMISSION OF
SEQUENCE LISTINGS IN ACCORDANCE WITH 37 C.F.R. §§ 1.821-1.825**

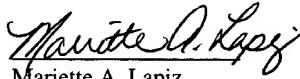
Commissioner for Patents
BOX PATENT APPLICATION
Washington, D.C. 20231

Sir:

The undersigned hereby states that the paper copy of the **Sequence Listing** for the above-noted new continuation application is identical to the Computer Readable Copy of the **Sequence Listing** filed in parent application U.S.S.N. 09/193,834 on November 17, 1998. In accordance with 37 C.F.R. §§ 1.821-1.825, please use the only Computer Readable Form filed in that application as the Computer Readable Form for the subject application. It is understood that the U.S. Patent and Trademark Office will make the necessary change in the application serial number and filing date for the instant application. A paper copy of the **Sequence Listing** is attached hereto for incorporation into the specification of the instant application.

Respectfully submitted,
DELTAGEN, INC.

06/19/01
Date


Mariette A. Lapiz
Reg. No. 44,202

SEQUENCE LISTING

<110> Klein, Robert D.
Brennan, Thomas J.

<120> METHODS OF CREATING CONSTRUCTS USEFUL FOR INTRODUCING SEQUENCES INTO EMBRYONIC STEM CELLS

<130> 376472000200

<140> Unassigned
<141> 1998-11-17

<150> 60/084,949
<151> 1998-05-11

<160> 44

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 4768

<212> DNA

<213> Plasmid vector

<400> 1

gttaactacg	tcagggtggca	cttttccggg	aaatgtgcgc	ggaaccctta	tttgtttatt	60
tttcttaata	cattcaaaa	tgtatccgt	catgagacaa	taaccctgtat	aatgtctca	120
ataatattga	aaaaggaga	gtatgagat	tcaacatttc	cgtgtccccc	tatttccctt	180
ttttcgccca	ttttgcctt	ctgttttgc	tcaccaggaa	acgtgttgaa	aagtaaaaaa	240
tgctgaagat	cagttgggt	cacgagttgg	ttacatcgaa	ctggatctca	acagcggtaa	300
gatcctttag	agtttcgccc	ccgaaagaa	ttctccaatg	atgagactt	ttaaagtct	360
gctatgtgg	ccggatatat	cccggttgc	ccggggccaa	gacgactcgc	gtccggccat	420
acactatcc	cagaatgact	tggttgagta	ctcaccagtc	acagaaaaagc	atcttacgg	480
tggcatgaca	gtaaaggaaa	tatgcgtgc	ttccataacc	atgagtata	acactgcggc	540
caacttactt	ctgacaaacga	tcggaggacc	gaaggagcta	accgctttt	tgacaaacat	600
ggggggatcat	gtaaactcgcc	ttgtatcggt	ggaaacggag	ctgaatqaag	ccataccaaa	660
cgacgacgac	gacacccacga	ttgtctgtac	aatggcaaa	acgtgtcgca	acattataac	720
ttggcaacta	cttactctag	cttccccggca	acattaataa	gactggatgg	aggccggataa	780
agttgcaggaa	ccacttctgc	gtctggccct	tccggctggc	tggtttattt	ctgataaaatc	840
tggagcccgat	gagcgtgggt	ctcgcgttat	cattgcagca	ctggggccag	atggtaagcc	900
ctccggatatac	gtatgttatc	acacgcacggg	gagtcaggca	actatgtat	acggaaatag	960
acagatcgct	gagatagggt	cctcaatgtat	taaagcttgg	taactgtcag	accaaggat	1020
ctccatataat	ctttagattt	atttaccccg	gttgataatc	agaaaaacggc	caaaaacagg	1080
aagattgtat	aagcaaaat	ttaaaattgt	aacgttaata	ttttgttaaa	attcgcgtta	1140
aatttttgtt	aaatcgctc	atttttttaa	caataggccg	aaatcgccaa	aatcccttat	1200
aaatcaaaaag	aataggccca	tgatagggtt	agtgttgc	cagggttggaa	caagagtcc	1260
ctatataaaag	acgtggactc	caacgtcaaa	ggggaaaaaa	ccgtatcatca	ggccgtatggc	1320
ccactacgtt	aaccatcacc	caaatacaat	tttttgggtt	cgaggtgcgc	taaagcacta	1380
aatccggaaatc	ctaaaggggag	ccccggattt	agagcttgcac	ggggaaagcg	acagtggcga	1440
gaaaggaaagg	gaagaaagcg	aaaggagccg	gcgttagggc	gttgcgaatgt	tgacgggtca	1500
ccgtcgccgt	aaccaccaaa	cccgccggc	ttaatgcgc	gtacataggcc	ggcttttttt	1560
atcttaggtt	agatcccttt	tgataatctc	atgacaaaaaa	tcccttaacgc	tgagttttcg	1620
ttccactcgat	cgtcagaccc	cgtagaaaaag	atcaaaaggat	tttttttttttt	tttttttttttt	1680
ctggcgctta	tctgtcttt	gtcaaaaaaa	aaaccacccgc	taccagggtt	ggtttttttttt	1740
ccggatcaag	agcttaccaaa	tctttttccg	aaggtaacttgc	gtttcagcag	acgcgcagata	1800
ccaaataactt	tttttctgt	gtagccgtat	tttagccacc	acttcaaaag	cttctgtatca	1860

ccgcctacat	acctcgctct	gctaattcctg	ttaccagtgg	ctgctgccag	tggcgataa	91920
tcgtgttcta	ccgggttgg	ctcaagacga	tagttaccgg	ataaggcgca	gcggctgggc	1980
tgaacggggg	gttcgtgcac	acagccccc	ttggagcgaa	cgacctacac	cgaactgaga	2040
tacctacagc	gttagctatg	agaagcgcc	acgtctccc	aaggagaaa	ggcgacagg	2100
tatccggtaa	cgggcagggt	cggaaacagga	gagcgcacga	gggagcttc	aggggaaac	2160
gcctggatc	tttatagtc	tgccggg	cgccac	gacttgacg	tgatgtt	2220
tgatgctcg	cagggggc	gagcctatgg	aaaaacgc	gaaacgcgc	ctttaggc	2280
ttccctggcc	tttgtgc	tttgtgcac	atgtatgt	agttagtc	ctcattaggc	2340
aaaaacagggt	ttacactt	tgctccggc	tcgtatgtt	tgtggat	tgagcgata	2400
acaatttcac	acagaaaca	gctatgacca	tgtatgc	aactacgt	atacgactca	2460
ctaggcggcc	gcgtttaa	aatgtgtcc	tcttgg	cttccggg	gcggcaagcc	2520
acaagaacc	gttgcgtca	agcttcc	gacgcgt	agccgcgc	cgaattcct	2580
caggattcga	gggcccc	aggtaatc	taccgg	gggaggcg	tttccaagg	2640
cagtctggg	catgcgtt	agcagcc	ctggcact	gocgtac	atacgctt	2700
ggctcgac	acatccaca	ttcaccgg	gcgcac	gtcc	tttggccc	2760
cttcgcgeca	ccttctact	ctccctt	caggaa	gttcc	tttggccc	2820
gtcgtgcagg	acgtgacaaa	tggaa	agtc	act	agtcgtgc	2880
caccgcgtca	caatggaa	gggtgac	tttgg	ggc	atagc	2940
tttcgcgtt	tgggtcaga	ggctgg	gggtt	ggg	ggggcggc	3000
gtcaggggc	gggggggg	gggggggg	gggggg	gggg	tttggccc	3060
aagcgcacgt	ctggcg	gttct	tcct	ccgg	tttgc	3120
caatatggg	tcggccat	aacaagat	attgc	acgc	tttc	3180
ggaggggtt	ttcgcgtt	acttgg	acagaa	atgc	gttgcgtt	3240
tttccggcgt	tcagcgc	gggcgc	tctt	tttgc	aaagacc	3300
cctgaatgaa	ctcgagg	aggc	gcgc	gtat	ctggc	3360
tttgcgcag	gtgtcg	ttgt	actg	tttgc	tttggc	3420
atgtccgggg	caggat	tc	tg	tttgc	tttggc	3480
ggctgtat	atgcgg	ggc	tgcata	gtat	ccat	3540
cgacaaacat	cgatcg	gagc	acgt	ccat	tcgacc	3600
tgatctggac	gaagag	catc	aggg	gttgc	tgc	3660
gcccgc	gacggc	gtat	cttc	tttgc	tttggc	3720
catgggtgaa	aatggcc	tttct	tgatt	ccat	gttgcgtt	3780
ccgcgtat	gacata	tggt	tttgc	gtat	tttgc	3840
ggctgaccgc	ttctcg	tttac	gtat	tttgc	tttgc	3900
ctatcgctt	tttgac	tctt	cttgc	tttgc	tttgc	3960
tttgcgtt	tttgcgt	tttgc	tttgc	tttgc	tttgc	4020
tttgcgtt	tttgcgt	tttgc	tttgc	tttgc	tttgc	4080
tttgcgtt	tttgcgt	tttgc	tttgc	tttgc	tttgc	4140
tttgcgtt	tttgcgt	tttgc	tttgc	tttgc	tttgc	4200
tttgcgtt	tttgcgt	tttgc	tttgc	tttgc	tttgc	4260
tttgcgtt	tttgcgt	tttgc	tttgc	tttgc	tttgc	4320
tttgcgtt	tttgcgt	tttgc	tttgc	tttgc	tttgc	4380
tttgcgtt	tttgcgt	tttgc	tttgc	tttgc	tttgc	4440
tttgcgtt	tttgcgt	tttgc	tttgc	tttgc	tttgc	4500
tttgcgtt	tttgcgt	tttgc	tttgc	tttgc	tttgc	4560
tttgcgtt	tttgcgt	tttgc	tttgc	tttgc	tttgc	4620
tttgcgtt	tttgcgt	tttgc	tttgc	tttgc	tttgc	4680
tttgcgtt	tttgcgt	tttgc	tttgc	tttgc	tttgc	4740
tttgcgtt	tttgcgt	tttgc	tttgc	tttgc	tttgc	4768

<210> 2

<211> 6355

<212> DNA

<213> Plasmid vector

<400> 2
gtttaatagt aatcaattac ggggtcatta gttcatatgcc catatatggg gttccqcqtt 60

acataactta	cgttaaatgg	ccgcctggc	tgaccgcccc	acgacccccc	cccattgacg	120
tcaataatga	cgtatgttcc	catagtaaacg	ccaataggga	ctttccatg	acgtcaatgg	180
gtggagtatt	tacggtaaac	tgcccaacttg	gcagtagatc	aagtgtatca	tatgccaagt	240
acgcggccctta	ttgacgttaaa	tgacggtaaa	tggcccgctt	ggcattatgc	ccagtagatc	300
accttatggg	actttcttac	ttggcagttac	atctacgtat	tagtcatcgc	tattaccatg	360
gtgtatgcgtt	tttggcagta	catcaatggg	cgtggatagc	ggtttgactc	acggggattt	420
ccaagtctcc	accccattga	cgtcaatggg	agtttggttt	ggcacaaaaa	tcaacgggac	480
tttccaaat	gtcgtaaaca	ctccgccccca	ttgacgaaa	ttggcggtag	gcgtgtacgg	540
ttggagggtt	ataaaggcag	agctgtttta	gtgaaccgtc	agatccgc	gcgcgtacccg	600
tcgcaccat	ggtagcagaag	ggcgaggaggc	tgttacccgg	ggtgtgc	atcctggtcg	660
agctggacgg	cgcgtaaac	ggccacaagt	tcagegtgc	ccgcggaggc	gagggegtatg	720
ccacctacgg	caagctgacc	ctgaagttca	tctgcaccac	ccgcgaagctg	cccgtgcct	780
ggccacccct	cgtgaccacc	ctgacccatcg	gcgtgcgtg	cttcagccgc	taccccgacc	840
acatgaagca	gcacgacttc	ttcaagtccg	ccatggccga	aggctacgtc	caggagcgc	900
ccatctttt	caaggacgc	ggcaactaca	agacccgcgc	cgaggtgaag	ttcgagggcg	960
acacccttgtt	gaacccgcate	gagctgaagg	gcatacgactt	caaggaggac	ggcaacatcc	1020
tggggcaca	gtggagttac	aactacaaca	gccacaacgt	ctatatcatg	gccgacaagc	1080
agaagaacacg	catcaaggat	ttccggccaca	catcgaggac	ggcagcgtgc	1140	
agctcgccg	ccatccatcg	cagaacaccc	ccatggccga	cgccccccgt	ctgtcgcccg	1200
acaaccacta	cctggagcacc	cagtccggcc	tgagcaaga	ccccaaacg	aagcgcgtac	1260
acatggtect	gtggagttc	gtgaccggcg	ccgggatcac	tctcgccatg	gacgagctgt	1320
acaagtccgg	acttagatcc	accggatcta	gataactgt	cataatcagc	cataccacat	1380
tttagatgg	tttactgtgt	ttaaaaaaacc	tccccacac	ccccctgaa	ctgaaaacata	1440
aaatgaatgc	aattttgtt	tttaacttgt	ttattgcac	ttataatgt	tacaataaaa	1500
gcaatagcat	cacaatatttc	acaatataaag	catttttttc	actgatctt	agttgtgtt	1560
tgtccaaact	catcaatgt	tcttaacgcg	aactacgtca	ggtggactt	ttcggggaaa	1620
tgtgcgcgg	acccctattt	gttttattttt	ctaaatatac	tcaaataatgt	atccgctcat	1680
gagacataaa	ccctgtataaa	tgcttcaata	atattgaaa	aggaagagta	tgagtattca	1740
acatttcgtt	gtccggccctta	ttcccccttt	tgcggattt	tgcgttccgt	tttttgtc	1800
cccaaaaaacg	ctgggtgaaag	taaaagatgc	tgaaatgt	ttgggtgcac	gagttgggta	1860
catcgactg	gatctcaaca	ggcgttaagat	ccttggagat	tttcggcccg	aagaacgttc	1920
tccaaatgt	agactttta	aagttctgt	atgtggcgcg	gtattatccc	gtgttgc	1980
ccggcagag	caactcggtc	ggccatataca	cttattctca	aatgacttgg	ttgatgtactc	2040
accagtccaca	gaaaagcata	ttacggatgg	catgacgata	agagaattat	gcagtgcgtc	2100
cataaccatg	agtataaca	ctgcggccaa	cttattctcg	acaacgatcg	gaggacccgaa	2160
ggagctaaacc	gtctttttgc	acaacatggg	ggatcatgt	actcgcctt	atcgttggg	2220
accggagctg	aatgaagcca	taccaaaca	cgagcgtac	accacatgc	ctgtgacat	2280
ggcaacaacg	ttgcgc	ataatgttgc	cgaaactactt	actctagat	cccgccaa	2340
attaatagac	tggtatgg	cggtataatgt	tgaggacca	tttgcgt	cgcccccttc	2400
ggctggctgg	tttattgtgt	ataaatctgg	agccggtag	cggttgc	gcccgtatcat	2460
tgcagcactg	ggggccagatg	gtaa	ccgtatcgta	gttatctaca	cgacggggag	2520
tcagggcaat	atggatgaac	aaaatagaca	gatcgcttag	atagggtgc	cactgtat	2580
gcatttgtaa	ctgtcagacc	atgttactc	atataatactt	taggtat	taccccggtt	2640
gataatcaga	aaagccccaa	aaacagggaa	atgttataag	caaataat	aattgttaac	2700
gttaatattt	tgttaaaatt	cgcgtaat	ttttgttaaa	tcaatgtt	ttttaaccaa	2760
tagggcggaa	tcggccaaat	cccttataaa	tcaaaagaat	agcccggat	agggttgagt	2820
gttgttccag	tttggcaca	gagtccacta	ttaaaagaac	tggacttccaa	cgtcaaaagg	2880
cgaaaaacccg	tctatcagg	cgatggccca	ctacgtac	catcacccaa	atcaagtttt	2940
ttggggctga	ggtgcgttca	agacttaat	cgaaacccta	aaggagggcc	ccgattttaga	3000
gcttgcggg	gaaagcgaac	gtggcgagaa	aggaaggaa	gaaagcga	ggagcggcg	3060
ctagggcgct	ggcaaggtgt	ggcgttca	tccacac	ccgcgc	ccgttca	3120
atgcgcgcgt	acagggcg	taaaggatc	taggtgaaga	ttcttttga	taatctcatg	3180
acaaaaatcc	cttaaacgt	gtttcg	cactgacgt	cagacc	ccgttca	3240
aaaggatctt	cttggatgtcc	tttttttgtt	cgcgtaatct	gctgttgc	aaacaaaaaaa	3300
ccaccgtac	cagcggtgtt	tttttttgtt	gatcaagac	taccaactt	ttttccgaa	3360
gtaaactgtt	tcagcagac	gcagatacc	aatactgtt	ttctatgt	ggccgtat	3420
ggccaccact	tcaagaactc	tgttagcacc	cctacatacc	tgcgtctgt	aatctgtt	3480

ccagtggctg	ctgccagtgg	cgataagtcg	tgtcttaccg	ggttggactc	aagacgatag	3540
ttacccgata	aggcgccagcg	gtcgggctga	acggggggtt	cgtgcacaca	gcccagcttg	3600
gagcgaacg	cctacacccga	actgagatac	ctacagcgtg	agctatgaga	aagcgccacg	3660
cttccgaag	gggaaaaggc	ggacaggat	ccggtaaagc	gcagggttcgg	aacaggagag	3720
cgcacgagg	agcttccagg	ggggaaacgc	ttgtatctt	atagctctgt	cggtttccgc	3780
cacctctgc	ttgagcgtcg	atttttgta	tgctcgtca	ggggggcgag	cctatggaaa	3840
aaccccagca	acgccccctt	tttacggttc	ctggccttt	gctggcctt	tgctcacatg	3900
taatgtgagt	tagtcactc	atttggcacc	ccaggctta	cactttatgc	ttccggctcg	3960
tatgttgtt	ggatttgta	gcccataaca	atttcacaca	ggaaacagct	atgaccatga	4020
ttacccaaag	ctacgttaa	cactacta	ggccggccgc	tttaaacat	gtgtctctct	4080
ttggcttgc	tcccgccc	aaggccagaca	agaaccaagg	gacgtcaagc	ttcccgggac	4140
gcgtctagc	ggcgcgcga	atttctgcag	gattcgaggg	ccctgcagg	tcaatttctac	4200
cggttaggg	aggcgctttt	ccaaaggcag	tctggagcat	gcccgtttagc	agccccgctg	4260
gcacttggc	cttacacaatg	ggctctggc	cttcacaca	ttccacatcc	accggtagcg	4320
ccaacccgg	ccgttcttgc	gtggccccc	ccgcgcac	tctactcc	cccttagtcag	4380
gaagttcccc	cccgccccgc	agctcgcgtc	gtcaggac	tgacaaatgg	aatgacacg	4440
tctcaactgt	ctctgtcaga	ttggacagcac	cgctgagca	ttgaaggcgg	taggccttq	4500
gggcagcggc	caatagcgc	tttgtctt	cgcttctgc	gctcaagagc	tgggaagggg	4560
tgggtccgg	ggggggctca	gggggggg	caggggcggg	ggggggcggg	agggtctccc	4620
gaggccggc	atttcgcac	gctcaaaag	cgacgtctgc	ccgcgtctt	ctccctctcc	4680
tcatctccgg	gccttcgac	ctgcagccaa	tatggatcg	gccattgaac	aagatggatt	4740
gcacgcagg	tctccggcgt	cttgggttga	gaggctattc	ggctatgact	ggccacaaca	4800
gacaatccgc	tgcgtctgc	ccggcgttgc	ccgcgtgtca	gcccggggc	gcccgttct	4860
ttttgtcaag	accggactgt	ccgttgcct	gaatgact	caggacggg	cagecgcgct	4920
atcgtggctg	gcacgcacgg	gctttccctg	cgacgtgt	ctcgacgttg	tcactgaac	4980
gggaaggac	tggctgtat	ttggcgaagt	gccggggcag	gatctctgt	catctcacct	5040
tgctctctgc	gaaaaatgt	ccatcatggc	tgtatcaatg	ccgcggctgc	atacgcttga	5100
tccggctact	ttcccatcgc	accaccaagc	gaaacatcgc	atcgacgcag	cacgtactcg	5160
gatgaaaggc	ggtttgcgt	atcaggatg	tctggacgaa	gagcatcagg	ggctcgccgc	5220
agccgaactg	ttcccgaggc	tcaaggcgc	catgcccgc	ggcgtatgtc	tcgtctgac	5280
ccatggcgat	gcctgttgc	cgaatatcat	ggtggaaaat	ggccgtttt	ctggattccat	5340
cgactgtgc	cggtctgggt	ttggcggaccg	ctatcaggac	atagctgttgc	ctaccctgt	5400
tattgtctga	gagtttgcgc	ggcaatgggc	tgaccgttgc	ctcgtctgc	acggtattcg	5460
cgctccggat	tccgcaggc	tgccttcta	tcgccttct	gacgaggttc	tctgagggaa	5520
tcgatccgtc	ctgtaaagtct	gcaaaaattt	atgtatctt	aaaacaaataa	gatgtccact	5580
aaaatggaa	tttttctgt	catactttt	taagaagggt	gagaacagag	tacctacatt	5640
ttgaatggaa	ggatttggac	taacgggggt	gggggtgggt	gggatttagat	aatgcctgc	5700
tcttacttgc	aggctttta	ctattgtttt	atgataatgt	ttcataatgt	gatatactaa	5760
tttaaacaag	caaaacaaa	ttaagggca	gctcatctt	cccaactatc	atctataagat	5820
ctatagatct	ctcggtggat	cattttttt	ctcttggatc	ccactttgt	gttctaaatg	5880
ctgtgggttc	caaatgtgtc	agtttcatag	cctgaagaac	gagatcagca	gcctctgttc	5940
cacatacact	tcatctcag	tattttttt	ccaaatgtt	attccatcag	aagctgactc	6000
tagatgtga	tccggccgc	tagggcgtcg	acctcgatgt	atcaggtaacc	aagggtctcg	6060
ctctgtgtcc	gttggatctg	acgcacacagg	acacgcaat	taattaaggc	cgccccgtac	6120
cctctagtca	aggcccttaag	tgagtcgtat	tacggactgg	ccgtctttt	acaacgtctgt	6180
gactggaaa	accctggcgt	tacccaactt	aatgccttgc	cagcacatcc	ccctttccgc	6240
agctggcgt	atagcgaaga	ggcccgccacc	gatgccttgc	ccaaacagg	gcccgtctg	6300
aatggcgaat	ggcgcttcgc	ttgttaataa	agcccgcttc	ggccggcttt	ttttt	6355

<210> 3

<211> 28

<212> DNA

<213> Plasmid vector

<400> 3
aatgtgtcc tctttggctt gtttccgc

<210> 4
<211> 26
<212> DNA
<213> Plasmid vector

<400> 4
ggaagcaagc caaaggaggac cacatt 26

<210> 5
<211> 27
<212> DNA
<213> Plasmid vector

<400> 5
aactgggtct tgtctggctt ggcccg 27

<210> 6
<211> 25
<212> DNA
<213> Plasmid vector

<400> 6
gggc当地 agacaagaac cagtt 25

<210> 7
<211> 28
<212> DNA
<213> Plasmid vector

<400> 7
aagg当地 cctcg ctctgtgtcc gttgagct 28

<210> 8
<211> 24
<212> DNA
<213> Plasmid vector

<400> 8
caacggacac agagcggagga cctt 24

<210> 9
<211> 27
<212> DNA
<213> Plasmid vector

<400> 9
aatttgc当地 tcctgtgtcg tcgagct 27

<210> 10
<211> 23
<212> DNA
<213> Plasmid vector

<400> 10
cgacgacaca ggacacgcaa att 23

<210> 11

<211> 26
<212> DNA
<213> Plasmid vector

<400> 11
tgtgctcctc ttggcgtgc ttccaa 26

<210> 12
<211> 26
<212> DNA
<213> Plasmid vector

<400> 12
ttgaagcaa gccaaggagg agcaca 26

<210> 13
<211> 25
<212> DNA
<213> Plasmid vector

<400> 13
ctggttcttg tctggcttgg cccaa 25

<210> 14
<211> 25
<212> DNA
<213> Plasmid vector

<400> 14
ttggccaag ccagacaaga accag 25

<210> 15
<211> 24
<212> DNA
<213> Plasmid vector

<400> 15
ggcctcgct ctgtgtccgt tgaa 24

<210> 16
<211> 24
<212> DNA
<213> Plasmid vector

<400> 16
ttcaacggac acagagcgag gacc 24

<210> 17
<211> 23
<212> DNA
<213> Plasmid vector

<400> 17
tttcgtgtc ctgtgtcgta gaa 23

<210> 18
<211> 23

<212> DNA
<213> Plasmid vector

<400> 18
ttcgacgaca caggacacgc aaa 23

<210> 19
<211> 25
<212> DNA
<213> Plasmid vector

<400> 19
atgaccgctc aggaaacctg ttgca 25

<210> 20
<211> 25
<212> DNA
<213> Plasmid vector

<400> 20
ataggcatacg taggccagct tgagg 25

<210> 21
<211> 51
<212> DNA
<213> Plasmid vector

<400> 21
tgtgctcttc tttggcttgc ttccaattaa cccteactaa agggaaacgaa t 51

<210> 22
<211> 50
<212> DNA
<213> Plasmid vector

<400> 22
ctggttcttg tctggcttgg cccaatgcaa caggttcct gagcggtcat 50

<210> 23
<211> 49
<212> DNA
<213> Plasmid vector

<400> 23
ggccctcgct ctgtgtccgt tgaacctcaa gctggcctac tatgcctat 49

<210> 24
<211> 49
<212> DNA
<213> Plasmid vector

<400> 24
tttgcgtgtc ctgtgtcgta gaacgactaa tacgactcac tatagggcg 49

<210> 25
<211> 25
<212> DNA

<213> Plasmid vector
<400> 25
gccaaatggac tcttagttt ggaac 25
<210> 26
<211> 25
<212> DNA
<213> Plasmid vector
<400> 26
gttctggcaa acaaattcgg cgcac 25
<210> 27
<211> 51
<212> DNA
<213> Plasmid vector
<400> 27
tgtgcttc tc ttggcttgc ttccaattaa ccctcaactaa agggAACGAA t 51
<210> 28
<211> 50
<212> DNA
<213> Plasmid vector
<400> 28
ctgggttcttg tctggcttgg cccaaAGTTCc AAAACTAAGA GTCCTATTGGC 50
<210> 29
<211> 49
<212> DNA
<213> Plasmid vector
<400> 29
ggtcctcgct ctgtgtccgt tgaagtgcgc cgaatttttt tgccagaac 49
<210> 30
<211> 25
<212> DNA
<213> Plasmid vector
<400> 30
gaaccTTGGT gtGCCAAGTT acttc 25
<210> 31
<211> 25
<212> DNA
<213> Plasmid vector
<400> 31
gaactttggc tgaACCCCTT gttct 25

<210>=32
<211> 52
<212> DNA
<213> Plasmid vector

<400> 32
tgtgctcctc ttggcttc gttgaacgac taatacgact cactataggg cg 52

<210> 33
<211> 50
<212> DNA
<213> Plasmid vector

<400> 33
ctgggttcttg tctggcttgg cccaaagaagt aacttggcac accaagggttc 50

<210> 34
<211> 48
<212> DNA
<213> Plasmid vector

<400> 34
ggtcctcgct ctgtgtccgt tgaagaacaa ggggttcagc caaaggttc 48

<210> 35
<211> 48
<212> DNA
<213> Plasmid vector

<400> 35
tttgcgtgtc ctgtgtcgta gaattaaaccc tcactaaagg gaacgaat 48

<210> 36
<211> 25
<212> DNA
<213> Plasmid vector

<400> 36
atgcgggatc tcctactact gggcc 25

<210> 37
<211> 25
<212> DNA
<213> Plasmid vector

<400> 37
tgtcatatgt aacagcgatg gaacg 25

<210> 38
<211> 53
<212> DNA
<213> Plasmid vector

<400> 38
gacaagaacc agttgacgtc aagcttccccg ggacgcgtgc tagcggcgcg ccg 53

<210> 39
<211> 50
<212> DNA
<213> Plasmid vector

<400> 39
ctgggttcttg tctggcttgg cccaaaggccc agtagtagga gatccggcat 50

<210> 40
<211> 49
<212> DNA
<213> Plasmid vector

<400> 40
ggtcctcgct ctgtgtccgt tgaacgttcc atcgctgtct actatgaca 49

<210> 41
<211> 50
<212> DNA
<213> Plasmid vector

<400> 41
ctgggttcttg tctggcttgg cccaaaaagc cgacagccac gtcacaagc 50

<210> 42
<211> 49
<212> DNA
<213> Plasmid vector

<400> 42
ggtcctcgct ctgtgtccgt tgaagccaa tgccacagag acagaatgt 49

<210> 43
<211> 51
<212> DNA
<213> Plasmid vector

<400> 43
ctgggttcttg tctggcttgg cccaaagtgg atccctctcca aggccccatc t 51

<210> 44
<211> 50
<212> DNA
<213> Plasmid vector

<400> 44
ggtcctcgct ctgtgtccgt tgaactccag tgccgagtgt gtggggacag 50